

## ABSTRACT OF THE DISCLOSURE

In a print head having arrays of large nozzles and small nozzles with different ink ejection volumes that  
5 are connected to a common ink chamber, the preliminary ejection operation is performed 29,000 times first on only the large nozzles at an ejection frequency of 10 kHz to discharge viscous or mixed color ink from ink chambers. After the preliminary ejection operation of  
10 the large nozzles is finished, only the small nozzles are made to perform the preliminary ejection operation 2,000 times at an ejection frequency of 10 kHz. Reducing the number of preliminary ejections from the small nozzles in this manner can minimize the  
15 generation of stray mist. Further, by performing the preliminary ejection operation on the large nozzles first, it is possible to discharge enough viscous ink from the ink chamber.